

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/583,200
Source: 1FWP
Date Processed by STIC: 6/27/06

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IFWP

RAW SEQUENCE LISTING

DATE: 06/27/2006

PATENT APPLICATION: US/10/583,200

TIME: 10:40:14

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\06272006\J583200.raw

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3 <110> APPLICANT: Agrinomics LLC
5 <120> TITLE OF INVENTION: GENERATION OF PLANTS WITH ALTERED OIL CONTENT
7 <130> FILE REFERENCE: 6616-72628-06
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/583,200
C--> 9 <141> CURRENT FILING DATE: 2006-06-15
9 <150> PRIOR APPLICATION NUMBER: PCT/US04/042981
10 <151> PRIOR FILING DATE: 2004-12-17
12 <150> PRIOR APPLICATION NUMBER: 60/530,828
13 <151> PRIOR FILING DATE: 2003-12-17
15 <160> NUMBER OF SEQ ID NOS: 4
17 <170> SOFTWARE: PatentIn version 3.2
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 1110
21 <212> TYPE: DNA
22 <213> ORGANISM: Arabidopsis thaliana
24 <400> SEQUENCE: 1
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29 aaactgaaa aagtggagga gttttactcg agcattggtg tctcaaaactc tggctctatt      180
31 ggtaaaagata cagaaaaagg gagacatggt gtggggatta ggaagattca acaagaggct      240
33 gcgcgtagag aagctgttgc tgctaaaaga atgcaggacc ttatgcgtca atttgaaca      300
35 atcttttcgtc agataactca gcataagtgc gcttggccgt ttatgcatcc tgtcaatggt      360
37 gaaggctcttg gtttgcattg ctactttgag gttattgaca agcctatgga cttcagcacg      420
39 ataaaaaatc aaatggaggg taaggatggt accgggtaca aacatgtcat gcaaatttat      480
41 gctgatatgc ggctagtgtt tgagaacgca atgaattata atgaagaaac aagtgatggt      540
43 tactctatgg cgaaaaagtt actggaaaag tttgaggaga agtgggcaca ctttcttcca      600
45 aaggttcaag aagaggagaa aatacgagag gaagaggaga agcaagcagc aaaggaggcg      660
47 ctgctagcaa aagaagcatc tcatatcaaa acaactagag aattggggaa tgagatttgc      720
49 catgctaattg acgagctgga gaagctaatt cgtaaagttg tggaaagatg caggaaaatc      780
51 acaattgagg agaagcgtaa tattggattg gcattgttaa aactgtcacc ggatgatcta      840
53 cagaaagtgt tgggtatagt tgctcaggct aacccgagct ttcaacctag agcagaggaa      900
55 gttagtattg agatggacat actggacgaa ccaacactat ggaggctaaa gttctttgtg      960
57 aaggatgcgt tggataatgc aatgaagaag aagaaagaag aggagacaaa gactagagaa     1020
59 ttgagtggag cacaaaagaa agaggtttcg aagaaacgaa atgcgactac aaagttagct     1080
61 gagaggaaaa cgaagcggtc acgcatatga                                     1110
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65 <211> LENGTH: 369
66 <212> TYPE: PRT
67 <213> ORGANISM: Arabidopsis thaliana
69 <400> SEQUENCE: 2
71 Met Ala Asp Ser Val Pro Gly His Val Ala Gly Gly Gly Leu Gln Gly
72 1          5          10          15
75 Phe Ser Val Asp Ala Glu Cys Ile Lys Gln Arg Val Asp Glu Val Leu

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76          20          25          30
79 Gln Trp Val Asp Ser Leu Glu His Lys Leu Lys Glu Val Glu Glu Phe
80          35          40          45
83 Tyr Ser Ser Ile Gly Val Ser Asn Ser Gly Ser Ile Gly Lys Asp Thr
84          50          55          60
87 Glu Lys Gly Arg His Val Val Gly Ile Arg Lys Ile Gln Gln Glu Ala
88 65          70          75          80
91 Ala Arg Arg Glu Ala Val Ala Ala Lys Arg Met Gln Asp Leu Met Arg
92          85          90          95
95 Gln Phe Gly Thr Ile Phe Arg Gln Ile Thr Gln His Lys Cys Ala Trp
96          100          105          110
99 Pro Phe Met His Pro Val Asn Val Glu Gly Leu Gly Leu His Asp Tyr
100          115          120          125
103 Phe Glu Val Ile Asp Lys Pro Met Asp Phe Ser Thr Ile Lys Asn Gln
104          130          135          140
107 Met Glu Ala Lys Asp Gly Thr Gly Tyr Lys His Val Met Gln Ile Tyr
108 145          150          155          160
111 Ala Asp Met Arg Leu Val Phe Glu Asn Ala Met Asn Tyr Asn Glu Glu
112          165          170          175
115 Thr Ser Asp Val Tyr Ser Met Ala Lys Lys Leu Leu Glu Lys Phe Glu
116          180          185          190
119 Glu Lys Trp Ala His Phe Leu Pro Lys Val Gln Glu Glu Glu Lys Ile
120          195          200          205
123 Arg Glu Glu Glu Glu Lys Gln Ala Ala Lys Glu Ala Leu Leu Ala Lys
124          210          215          220
127 Glu Ala Ser His Ile Lys Thr Thr Arg Glu Leu Gly Asn Glu Ile Cys
128 225          230          235          240
131 His Ala Asn Asp Glu Leu Glu Lys Leu Met Arg Lys Val Val Glu Arg
132          245          250          255
135 Cys Arg Lys Ile Thr Ile Glu Glu Lys Arg Asn Ile Gly Leu Ala Leu
136          260          265          270
139 Leu Lys Leu Ser Pro Asp Asp Leu Gln Lys Val Leu Gly Ile Val Ala
140          275          280          285
143 Gln Ala Asn Pro Ser Phe Gln Pro Arg Ala Glu Glu Val Ser Ile Glu
144          290          295          300
147 Met Asp Ile Leu Asp Glu Pro Thr Leu Trp Arg Leu Lys Phe Phe Val
148 305          310          315          320
151 Lys Asp Ala Leu Asp Asn Ala Met Lys Lys Lys Lys Glu Glu Glu Thr
152          325          330          335
155 Lys Thr Arg Glu Leu Ser Gly Ala Gln Lys Lys Glu Val Ser Lys Lys
156          340          345          350
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160          355          360          365
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168 <211> LENGTH: 965
169 <212> TYPE: DNA
170 <213> ORGANISM: Arabidopsis thaliana
172 <400> SEQUENCE: 3

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173 gccttcacg cgccacacac ctgttgctta tctccgatct actccggcga acggcgaaat      60
175 tcgagctatg gagaatctaa acggcttagt tctgacatc cctatacaag agcagaaaga      120
177 caatgctact gcttctgaaa atttcggctg aagtgttgat gaaatgggtg ggaaggttga      180
179 tcagattgag cagagactga atgagggtga gcatttctat tccaatacta gtaaaaaaca      240
181 atcaaacacg ccaagagggtg gctctattct gaaagacaaa gagaaacaga tgtctagctt      300
183 tagaaggcgg cagcaggatg catcacgtag agaagcagct ggttccagga gaatgcaaga      360
185 acttatgccc caatttggtg ctatattacg tcagatcact cagcacaagt gggcagaacc      420
187 ttttatggaa cctgtggatg tcaagggtct tggattacac gattattttg aggttattga      480
189 gaagcctatg gacttcagta ctatcaaaaa caagatggaa gcaaaggatg gttctggcta      540
191 taagcatgtc cgagagatat gtgctgacgt gaggctaata ttaagaatg cgatgaaata      600
193 caacgaggaa agggatgacg ttcattgtaat ggcgaaaacc ttgttgggaa aattcgagga      660
195 gaaatgggtg cagcttttgc ccaaagttga tgaagaggaa aaacggcgaa aggaagagga      720
197 agcagaagcc caacaggata tgcagctcgc tcaagaggct gctcatgcaa aaatggcaaa      780
199 agatttaact attgagcttg atgagggtga catgcaactg gaagaactca gggacttggg      840
201 gcttcagaaa tgcagaaaga tttcaacgga agacaggaaa caactgggga atgcgtcac      900
203 taagctgtct cctgacgac ttaataaagc actattgatt gtggcacaga atgatoctac      960
205 ttttc
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210 <212> TYPE: DNA

211 <213> ORGANISM: Arabidopsis thaliana

213 <400> SEQUENCE: 4

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218 tccaagaccg acgtgctgga gaagagggtg aacgagggtg tagggttcta caattccaag      180
220 aagcacagca gtggaggccg caaggctggc ggcaggtagc cggaaaacgg tgccagggac      240
222 agccacggca atgggatgcc cgacctcatg cgccagtttg ccggtatcat tcgccagatt      300
224 acatctcatg aatgggcaca gccgtttttg caaccggtag acgtcgtagg tcttcaactt      360
226 gatgactatc accagattat aacaaaacct atggatttct cgacctccg aaacaaaatg      420
228 gaagggaagg aaagtaccac atataacagt gtccgagaaa tatattctga tgttagatta      480
230 gtttttacca atgcaatgaa gtacaatgtt gaaggtcacc ctgttaacat aatggccaag      540
232 ttcctactcg agagatttga ggagaaatgg cttcaccttc tccctgaagt tgagaacgag      600
234 gaaagggaac gggagggaacc aaatgatgct ccaaccataa gcatttctcc ggaagctgca      660
236 attgcaaaat tagctgaaga tactggtaat gagctgaatg agattaataa gcagctggag      720
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246 gcgaatgtag gcgtagtggc ctgtggcaag atcgatgaaa acacgaagag gagccgcgac      1020
248 atgtacaatg ctctagccaa gaccgtttcg aaacggatta agagataacc ttagcggctc      1080
250 ggctttctg atggttcatg gtatttctgt agaaaatagg gccatgttct cccttgtgtg      1140
252 aagacatgtt gtatatatac gaagatgaat ctgcactaag atatgcttgg tcgcacccgg      1200
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256 cacctctgag aaacaagaat tattccttga
257

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VERIFICATION SUMMARY

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L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date